NAME OF WORK : COMPREHENSIVE FEVELOPMENT OF HAROHALLI LAKE IN CHOWDESHWARI WARD No-2

PROJECT COST SUMMARY

Est. No.	DESCRIPTION OF THE ESTIMATE	ESTIMATE COST
1	DE-WATERING, DE-WEEDING AND DE-SILTING TO WET LAND AND BUND SLOPE PROTECTION WORKS	₹ 1,25,43,236.58
2	PROVIDING CYCLE TRACK, AND WALK-WAY IMPROVEMNTS	₹ 2,22,99,857.12
	Sub-Total-Cost (₹)	**₹ 3,48,43,093.70**
	ADD 12% GST TO CONTRACTOR FOR ITEMS INCLUDED FROM MI BCSR 2018-19 AND PWD BCSR 2021-22	**₹ 41,81,171.24**
	DPR PREPARATION CHARGES	**₹ 4,50,000.00**
	PMC SERVICE CHARGES	**₹ 5,22,646.41**
	CONTINGENCY CHARGES,MISCELLANEOUS & ROUNDING OFF	**₹ 3,088.65**
	Grand Total (₹)	**₹ 4,00,00,000.00**
****** RUPEES FOUR CRORE ONLY******		

Assistant Engineer
Yelahanka Divi, BBMP

Asst Executive Engineer
Yelahanka Divi, BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Yelahanka Divi, BBMP

Chief Engineer
Yelahanka Divi, BBMP

Administrative Approval
Accorded For Rs. 400.00 Lakhs
Head of A/C P 2415
CER NO : 07 Dt: 18/8/22

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 9

Technical Sanction
Accorded For Rs. 400.00 Lakhs
Head of A/C P:2415
CER NO : 17 Dt: 21/05/2022

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NAME OF WORK : COMPREHENSIVE FEVELOPMENT OF HAROHALLI LAKE IN CHOWDESHWARI WARD No-2

PROJECT COST SUMMARY

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****** RUPEES FOUR CRORE ONLY******		

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Asst Executive Engineer
Yelahanka Divi, BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Yelahanka Divi, BBMP

Chief Engineer
Yelahanka Divi, BBMP

Technical Sanction
Accorded For Rs. 4,00,00,000 Lakhs
Head of A/C P-2415
CER NO :17 Dt:21/05/2022

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NAME OF WORK : IMPROVEMENTS TO HAROHALLI LAKE									
Est-1	DE-WATERING, DE-WEEDING AND DE-SILTING TO WET LAND AND BUND SLOPE PROTECTION WORKS								
Sl No.	SPECIFICATION	No	L	B	D	QTY	UNIT	RATE	AMOUNT
1.1	Dewatering by mechanical means including hire charges of machinery,fuel and crew charges etc., complete as per the direction of the Engineer- in charge |statement of hire charges of machinery for the year. with all lead and lift, loading and unloading as per the directions of engineer in charge of work. 5 HP Diesel pump								
	SR reference	MI BCSR 2018-19 , Page no.17, sl no.19							
	Basic rate (₹)	5+99+108.9=212.90							
	A W 6% (₹)	0.00							
	Total Rate (₹)	212.90							
	Dewatering pump 5 HP diesel								
	WET-LAND			ML					
		5800000		LITERS					
	Capacity of pump	450		ltr/minute					
		27000		ltr/hrs					
						215.00	hrs	₹ 212.90	₹ 45,773.50
1.2	Clearing thick jungle growth (less than 50 percent open space) including bushes upto 300 mm / parthenium and other weeds including burning or disposing off the same as directed etc., complete with all lead and lifts								
	SR reference	MI BCSR 2018-19 IT NO.7.1.2 PG NO.107							
	Basic rate (₹)	3.00							
	A W 6% (₹)	0.00							
	Total Rate (₹)	3.00							
	weeds in wetland								
		1	34746.94			34746.94			
						34746.94	cum	₹ 3.00	₹ 1,04,240.81
1.3	Excavation and removal of silt or silt in mashy condition by mechanical means from tank bed including stacking the same for drying and disposing of the same as directed including cost of machinary, labour etc., complete as directed etc., complete with lead upto 50 mand all lifts as per the directionof the engineer in charge of work.								
	SR Referance	BBMP APPROVED DATA RATE ATTACHED							
	Basic rate (₹)	151.00							
	A W 8% (₹)	0.00							
	Total Rate (₹)	151.00							
	CALCULATED SHEET ATTACHED					34746.94			
						34746.94	cum	₹ 151.00	₹ 52,46,787.49

Sl No.	SPECIFICATION	No	L	B	D	QTY	UNIT	RATE	AMOUNT
1.4	Extra lead for dumping the removal quantity of slush to dump yard (14.km lead taken = (lead more than 4 km up to 5 km - initial lead + every km beyond 5 km up to 30km) = (Rs.111.50 + (9 kmxRs.10.4) = Rs. 205.10(MI BCSR 2018-19)								
	SR reference	MI BCSR 2018-19 , PAGE NO.21 LEAD CHART							
	Basic rate (₹)	111.50+93.6							
	A W 6% (₹)								
	Total Rate (₹)	205.10							
	total slush qty					34746.94			
	slush 8% deduct					2779.75			
	After deduction slush qty (A)					31967.18			
						31967.18	cum	₹ 205.10	₹ 65,56,469.04
1.5	Preparing slope of existing bund (without pitching) ror abutting fresh embankment to strerigthen the existing bund by removing grass and other vegitation including disposing off the material as directerJ with all lead and lifts.								
	SR Referance	MI BCSR 2018-19 , Page no.113, sl no.7.37							
	Basic rate (₹)	2.20							
	A W 10% (₹)	0.00							
	Total Rate (₹)	2.20							
	DAMAGED AND ISLAND	1.00	242.00	4.50		1089.00			
						1089.00	cum	₹ 2.20	₹ 2,395.80
1.6	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications								
	SR Referance	PWD-SR 2021-22 ,VOL-3 P.06, IT NO. 16.3 (A)							
	Basic rate (₹)	1635.00							
	A W 10% (₹)	163.50							
	Total Rate (₹)	1798.50							
	DAMAGED	1.00	242.00	4.50	0.30	326.70			
						326.70	cum	₹ 1,798.50	₹ 5,87,569.95
	TOTAL AMOUNT EXCLUDING GST								₹ 1,25,43,236.58
	ADD 12% GST							12.00%	₹ 15,05,188.39
	TOTAL AMOUNT INCLUDING GST								₹ 1,40,48,424.97

Assistant Engineer
Yelahanka division

Executive Engineer
Yelahanka division

Asst Executive Engineer
Yelahanka division

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

	NAME OF WORK : IMPROVEMENTS TO HAROHALLI LAKE								
	PROVIDING CYCLE TRACK, AND WALK-WAY IMPROVEMNTS								
Sl No.	SPECIFICATION	No	L	B	D	QNTY	UNIT	RATE	AMOUNT
2.1	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work.								
	SR reference	**PWD-SR 2021-22 ,VOL-1 P.06, IT NO. 1.5.1**							
	Basic rate (₹)	**229.00**							
	A W 10% (₹)	**22.90**							
	Total Rate (₹)	**251.90**							
	KERB	2	2360.00	0.30	0.30	424.80			
						424.80	cum	₹ 251.90	₹ 1,07,007.12
2.2	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work.								
	SR reference	**PWDSR 2021-22 ,VOL-1 P.08, IT NO.1.14**							
	Basic rate (₹)	**73.00**							
	A W 10% (₹)	**7.30**							
	Sub-total	**80.30**							
	ALL-ROUND (BICYCLE TRACK)	1	2360.00	2.1	0.4	1982.4			
						1982.4	Cum	80.30	159186.72
2.3	Providing **new embankment** abutting to existing bund **to strength the existing bund** using soil from approved **borrow area** in layers of 200 to 250 mm and compacting each layer to density control of **not less than 95 percent by vibrating plate compactor** or pnuematic tamper including cost of all materials, machinery, labour, picking previous layer, spreading soil in layer, breaking clods, watering etc., complete with **all lead and lifts. ADD LEAD 30KM**								
	SR reference	**MI BCSR 2021-22 , VOL 4, Page no. 38, it no.6.10**							
	Basic rate (₹)	**343.00**							
	A W 6% (₹)	**0.00**							
	Sub-Total (A)	**343.00**							
	ADD LEAD 30KM								
	SR reference	**MI BCSR 2018-19 , Page no. 21, table-1**							
	Lead more then 4 km upto 5 km					**115.00**			
	Beyond 5km upto 10km = 10.4*20					**208.00**			
	Sub - Total (B)					**323.00**			
	TOTAL RATE PER CUM (A+B)					**666.00**			
	ALL-ROUND	1	2360.00	4.00	0.20	1888.00			
						1888.00	cum	666.00	**₹ 12,57,408.00**

Sl No.	SPECIFICATION	No	L	B	D	QNTY	UNIT	RATE	AMOUN
2.4	Construction of **Granular Sub-Base** of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 (**For Grading -III Material**)								
	SR reference	**PWD-SR 2021-22 ,VOL-3 P.19, IT NO. 4.2**							
	Basic rate (₹)	**2268.00**							
	A W 10% (₹)	**226.80**							
	Total Rate (₹)	**2494.80**							
	ALL-ROUND (BICYCLE TRACK)	1	2360.00	2.20	0.30	1557.60			
						1557.60	cum	₹ 2,494.80	₹ 38,85,9
2.5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates**								
	SR reference	**PWD-SR 2021-22,VOL-1 P-15, 2.1.4**							
	Basic rate (₹)	**5926.00**							
	A W 10% (₹)	**592.60**							
	Total Rate (₹)	**6518.60**							
	ALL-ROUND (BICYCLE TRACK)	1	2360.00	2.20	0.15	778.80			
						778.80	cum	₹ 6,518.60	₹ 50,76,(
2.6	Providing and fixing pre east solid cement concerete kerb stones made out of M20 with top width 100mm and bottom width 150mm respectively, 300mm high with CM 1:3 plastering and finishing cutting including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete to be laid between travel lane and Cycle Track/ Landscape with all lead, lift, loading and unloading complete as per the direction of Engineer in charge (form finish concrete and no painting to be donc)								
	SR reference	**PWD-SR 2021-22,VOL-3 P-146, 21.6.3**							
	Basic rate (₹)	**423.00**							
	A W 10% (₹)	**42.30**							
	Total Rate (₹)	**465.30**							
	kerb	2	5244			10488.89			
						10488.89	No	₹ 465.30	₹ 48,80,
2.7	Providing and laying **heavy duty cobble stones 75mm thick interlock pavers**, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications								
	SR reference	**PWD-SR 2021-22,VOL-2 P-64, 9.32**							
	Basic rate (₹)	**1145.00**							
	A W 10% (₹)	**114.50**							
	Total Rate (₹)	**1259.50**							
	ALL-ROUND (BICYCLE TRACK)	1	2360	2.2		5192.00			
						5192.00	sqm	**₹1,259.50**	**₹65,39,3**

Sl No.	SPECIFICATION	No	L	B	D	QNTY	UNIT	RATE	AMOUNT
2.8	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
	SR reference	PWD-SR 2021-22 ,VOL-1 P.07, IT NO.1.9							
	Basic rate (₹)	204.00							
	A W 10% (₹)	20.40							
	Total Rate (₹)	224.4							
	kerb	2	2360.00	0.30	0.30	424.80			
						424.80	cum	₹ 224.40	₹ 95,325.12
2.9	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	SR reference	UNI-SR 2021-22 ,VOL-2 P.49, IT NO.8.44							
	Basic rate (₹)	115.00							
	A W 10% (₹)	11.50							
	Total Rate (₹)	126.5							
	kerb	2	2360.00		0.50	2360.00			
						2360.00	sqm	₹ 126.50	₹ 2,98,540.00
	TOTAL AMOUNT EXCLUDING GST								**₹ 2,22,99,857.12**
	ADD 12% GST TO CONTRACTOR FOR ITEMS INCLUDED FROM MI BCSR 2018-19 AND PWD BCSR 2021-22							12.00%	**₹ 26,75,982.85**
	TOTAL AMOUNT INCLUDING GST								**₹ 2,49,75,839.97**

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